

Title (en)

METALLIC PIGMENTS AND METHOD OF COATING A METALLIC SUBSTRATE

Title (de)

METALLISCHE PIGMENTE SOWIE VERFAHREN ZUM BESCHICHTEN EINES METALLISCHEN SUBSTRATES

Title (fr)

PIGMENTS MÉTALLIQUES ET PROCÉDÉ DE REVÊTEMENT D'UN SUBSTRAT MÉTALLIQUE

Publication

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Application

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Abstract (en)

[origin: WO2015013762A1] The present invention deals with metallic pigment comprising a metallic substrate coated with a hybrid inorganic/organic layer, wherein the hybrid inorganic/organic layer comprises a network of an inorganic component and at least one organofunctional silane component having organic functionalities which have not been polymerised. Additionally, the present invention deals with a method of coating a metallic substrate comprising: combining the metallic substrate with a surfactant and an organofunctional silane and an inorganic component precursor to form a hydrophobic phase; combining the hydrophobic phase with a hydrophilic liquid to form an emulsion comprising said hydrophobic phase containing the metallic substrate, the organofunctional silane and the inorganic component precursor dispersed in a continuous hydrophilic phase; adding a catalyst to the emulsion; and forming a hybrid organic/inorganic layer from the organofunctional silane and said inorganic component precursor on the metallic substrate to produce a coated metallic substrate.

IPC 8 full level

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Citation (search report)

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- See references of WO 2015013762A1

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